

AMENDMENTS TO THE SPECIFICATION

Page 52, last paragraph bridging page 53, replace as follows:

As illustrated in Figure 6, when the three kinds of the signals are described above are fed into the tissue condition image composer 45, the image, in which the areas P3 and P4 having been recognized as the diseased tissue areas in accordance with the fluorescence yield image signal Dss have been embedded, (i.e., the image in which the normal tissue areas have values close to 0 and the diseased tissue areas have large values) is added onto the living body tissue image, which is ~~an ordinarily seen image and is~~ represented by the surface sequential light image signal Dm, ~~(i.e., the image in which the bright areas have values close to 0 and the dark areas have large values)~~. Also, an image is composed as illustrated in Figure 7. In the composed image illustrated in Figure 7, the areas corresponding to the areas P1 and P2 represented by the regularly reflected light area signal Dsh, i.e. the areas overlapping upon the areas P5 and P6 represented by the surface sequential light image signal Dm and the areas P1' and P2' represented by the fluorescence yield image signal Dss, are displayed in specific regularly reflected light area displaying forms F1 and F2, which have been determined previously, (i.e., in the displaying forms in which the peripheries of the areas have protrusions and the insides of the areas are dark), such that the areas corresponding to the areas P1 and P2 are capable of being clearly discriminated from the regions P3 and P4, which have been recognized as being the diseased tissue areas. From the tissue condition image composer 45, the tissue condition image signal DD representing the composed image is obtained.